

Title (en)

SOLUTION DERIVED NANOCOMPOSITE PRECURSOR SOLUTIONS

Title (de)

AUS NANOKOMPOSITVORLÄUFERLÖSUNGEN GEWONNENE LÖSUNG

Title (fr)

SOLUTIONS DE PRÉCURSEURS DE NANOCOMPOSITES ISSUS D'UNE SOLUTION

Publication

EP 2670885 B1 20180418 (EN)

Application

EP 12708182 A 20120202

Priority

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- US 2012023660 W 20120202

Abstract (en)

[origin: US2012202037A1] Solution derived nanocomposite (SDN) precursor solutions are disclosed that comprise one or more metal precursors that are dissolved in a liquid comprising polar protic and polar aprotic solvents. The precursor solutions are characterized by the formation of a gel after a shear force is applied to the precursor solution or to a thin layer of precursor solution. Also disclosed are methods using such precursor solutions to make thin films, thin films made using the precursor solutions, thin films having a minimum surface area and devices containing thin films as disclosed herein.

IPC 8 full level

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CPC (source: EP KR US)

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US 2012202037 A1 20120809; AU 2012212134 B2 20160915; CA 2825214 A1 20120809; CA 2825214 C 20170704; CN 103717785 A 20140409; CN 103717785 B 20170308; EP 2670885 A2 20131211; EP 2670885 B1 20180418; ES 2677703 T3 20180806; JP 2014505796 A 20140306; JP 5990541 B2 20160914; KR 101735879 B1 20170515; KR 20140008354 A 20140121; RU 2013140463 A 20150310; RU 2590434 C2 20160710; TR 201809809 T4 20180723; TW 201244812 A 20121116; TW I558453 B 20161121; WO 2012106532 A2 20120809; WO 2012106532 A3 20131227

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